

COMMERCIAL PRODUCTS CATALOG

Reduced Pressure Detector Assemblies

RPDA 4A AND RPDA 4An SERIES



RPDA 4A Series
Type 2 Bypass
(Standard)



RPDA 4An Series



RPDA 4An Series
Sizes 2-1/2"-12"



Optional Valve Setter



TriForce™ Check

REDUCED PRESSURE DETECTOR ASSEMBLIES

The Apollo® RPDA 4A and RPDA 4An Reduced Pressure Detector Assemblies consists of two independently acting, TriForce™ center stem guided check valves with a differential pressure relief valve located between the check valves. These units are designed to give maximum protection against backflow of health or non-health hazard fluids by either back-pressure or back-siphonage and at the same time detect leakage or unauthorized use of water from fire or automatic sprinkler systems. The durable stainless steel units (2-1/2" to 8") and the FDA epoxy coated ductile iron units (10" and 12") are easily maintained in line without any special tools. The TriForce™ check valves operate with a spring assist in the flowing condition to provide low flow rates which are documented by ASSA or USC FCCC&HR approval curves. The RPDA 4An normally vertical up/vertical down oriented body incorporates an internal swivel connection providing the ability to pivot the second check 180° to a vertical up/vertical up flow.

FEATURES

- Stainless steel body: 2-1/2"-8"
- FDA epoxy coated ductile iron body: 10" & 12"
- Easy maintenance - no special tools required
- Low pressure loss as documented by ASSE or USC FCCC&HR
- Approved for horizontal flow*
- ASSE 1047 (other approvals pending)*
- RPDA 4An - Small installation space required - small footprint
- **Lead-Free** option (RPDA 4A LF)
- UL, ULC Classified
- FM approved*
- Maximum working pressure 175 psi
- Temperature range 33°F - 140°F, 180°F intermittent
- Optional air gap drains
- US Patent Nos. 6,443,184; 7,025,085; 7,533,699
- Made in the USA
- 5 year, domestic warranty
- Optional mounting of bypass on either side for ease of installation

* Contact factory for approval details

RPDA 40 SERIES



Sizes 3", 4", 6", 8", 10"

REDUCED PRESSURE DETECTOR ASSEMBLY

The Apollo Series RPDA 40 Reduced Pressure Detector Assembly is designed to provide reduced pressure principle protection against cross-connections that present a health hazard, and at the same time detect leakage or unauthorized use of water from fire or automatic sprinkler systems. The mainline unit consists of two independent spring-loaded, poppet type check valve assemblies with a diaphragm actuated and spring-loaded, relief valve assembly located between check valves. Two resilient wedge gate valves and four test cocks complete the mainline unit. The by-pass consists of an approved reduced pressure assembly, four test cocks, two shut-off valves and a water meter.

FEATURES

- Maximum protection against back-pressure/back-siphonage
- Easy in-line maintenance and testing
- Maximum working pressure 175 psig
- 5 year, domestic warranty
- Horizontal installation approvals
- Operating temp. range 33°F-140°F
- UL Classified
- FM approved
- USC FCCCHR
- ASSE1047
- CSA
- Designed, manufactured, assembled and tested in SC, USA